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## Product Data Sheet

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Product Name: sRAGE Human, HEK

Cat. No.: GP24695

Batch No.: 1

**Product Data**

Purity &gt;98%

Source HEK 293.

Physical Appearance solid

Shipping Condition Shipped at Room temp.

Synonyms

Advanced glycosylation end product-specific receptor; Receptor for advanced glycosylation end products; AGER; SRAGE; RAGE; MGC22357.

Amino Acid Sequence

AQNITARIGE PLVLKCKGAP KKPPQRLEWK LNTGRTEAWK VLSPQGGGPW  
 DSVARVLPNG SLFLPAVGIQ DEGIFRCQAM NRNGKETKSN YRVRVYQIPG  
 KPEIVDSASE LTAGVPNKVG TCVSEGSYPA GTLSWHLDGK PLVPNEKGVS  
 VKEQTRRHPE TGLFTLQSEL MVTPARGGDP RPTFSCSFSP GLPRHRALRT  
 APIQPRVWEP VPLEEVQLVV EPEGGAVAPG GTVTLTCEVP AQPSPQIHW  
 M KDGVPLPLPP SPVLILPEIG PQDQGTYSVCV ATHSSHGPQE SRAVSISIIE  
 PGEEGPTAGS VGGSGGLGTLA AAADYKDDDDK.

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Formulation

The filtered (0.4µm) concentrated (0.5mg/ml) protein solution was lyophilized with 20mM Tris and 50mM NaCl, pH 7.5.

**Introduction**

sRAGE is a member of the immunoglobulin superfamily of cell surface molecules. sRAGE is a receptor for various molecules, including the amyloidogenic form of serum amyloid A, amyloid-beta protein, members of the S100/calgranulin superfamily and advanced glycation end products. sRAGE lies within the major histocompatibility complex (MHC) class III region on chromosome 6. Alternative splicing results in two transcript variants encoding different isoforms. sRAGE mediates interactions of nonenzymatic glycosylated proteins which accumulate in vascular tissue during aging & at an increasing rate in diabetes. sRAGE is a receptor for amyloid beta peptide.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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### Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time.

### Background

sRAGE Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain containing 331 amino acids and having a molecular mass of 35.2 kDa. sRAGE Human is fused to Flag tag at C-Terminus.sRAGE Human is purified by proprietary chromatographic techniques.

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